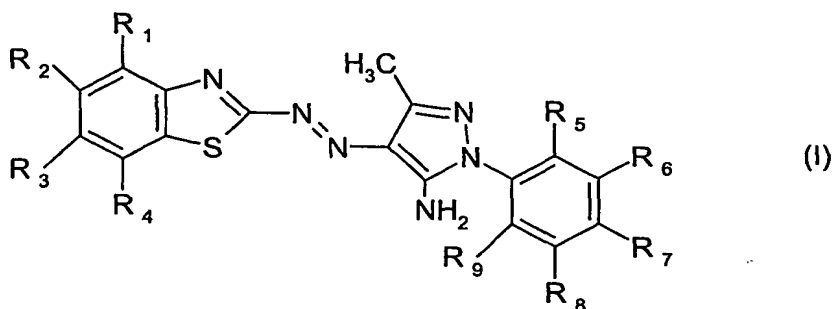


# Claims

## 1. Dyestuffs according to the formula (I)

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wherein

10 R<sub>1</sub>, R<sub>2</sub>, R<sub>3</sub>, R<sub>4</sub>, independently from each other signifies H, Cl, Br, F, SO<sub>3</sub>H, SO<sub>2</sub>R, SO<sub>2</sub>NR'R'', COOR, COOH, OH, alkyl, aryl, alkoxy, NCOCH<sub>3</sub>, or NR'R'', or two neighbouring substituents R<sub>1</sub>, R<sub>2</sub>, R<sub>3</sub>, or R<sub>4</sub> form together a ring which is annealed to the benzthiazole moiety and can be unsubstituted or substituted by SO<sub>3</sub>H;

15 R<sub>5</sub>, R<sub>6</sub>, R<sub>7</sub>, R<sub>8</sub>, R<sub>9</sub> independently from each other signifies H, Cl, Br, F, Alkyl, Aryl, Alkoxy, SO<sub>3</sub>H, SO<sub>2</sub>R, NR'R'', or two neighbouring substituents R<sub>5</sub>, R<sub>6</sub>, R<sub>7</sub>, R<sub>8</sub> or R<sub>9</sub> form together a ring which is annealed to the phenyl moiety and can be unsubstituted or substituted by SO<sub>3</sub>H;

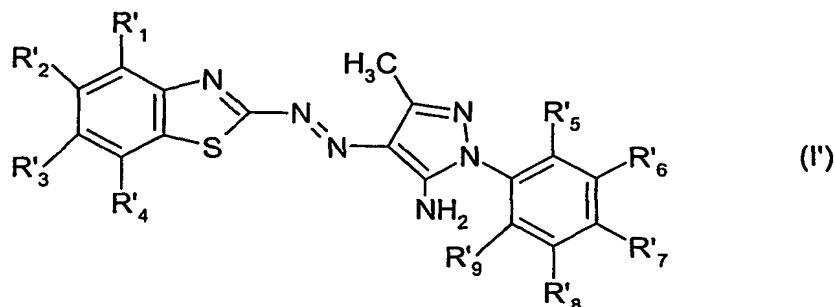
20 R is H, alkyl or aryl group which may be substituted or unsubstituted or R' and R'' are independently from each other H, alkyl or alkoxy or aryl groups which may be substituted or unsubstituted;

with the proviso that at least one of the substituents R<sub>5</sub>, R<sub>6</sub>, R<sub>7</sub>, R<sub>8</sub>, R<sub>9</sub> is different from H;

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as well as their salts and/or mixtures thereof.

2. The dyestuff according to claim 1 characterized in that they have the formula (I')



wherein

- 5  $R'_1, R'_2, R'_3, R'_4$ , independently from each other signifies H,  $SO_3H$ ,  $SO_2R$ ,  $SO_2NR'R''$ ,  $COOR$ ,  $COOH$ , alkyl, alkoxy,  $NCOCH_3$ , or  $NR'R''$ , or two neighbouring substituents  $R'_1, R'_2, R'_3$ , or  $R'_4$  form together a ring which is annealed to the benzthiazole moiety and can be unsubstituted or substituted by  $SO_3H$  and wherein at least two of the substituents  $R'_1, R'_2, R'_3$  or  $R'_4$  signify H;

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$R'_5, R'_6, R'_7, R'_8, R'_9$  independently from each other signifies H, Alkyl, Aryl, methoxy or ethoxy,  $SO_3H$ ,  $SO_2CH_2CH_2-OH$ ,  $NR'R''$ , or two neighbouring substituents  $R'_5, R'_6, R'_7, R'_8$  or  $R'_9$  form together a ring which is annealed to the phenyl moiety and can be unsubstituted or substituted by  $SO_3H$ ; and wherein at

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with  $R, R'$  and  $R''$  as defined above;

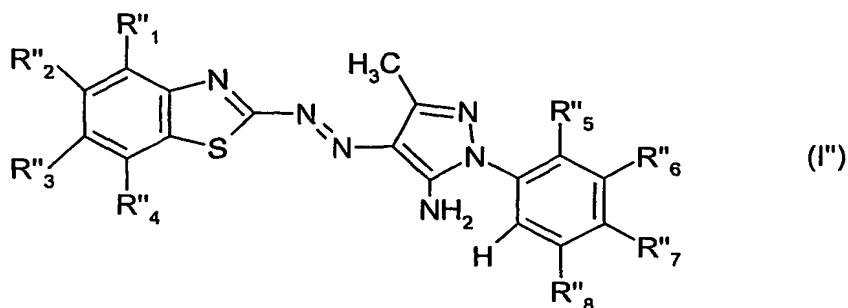
with the proviso that at least one of the substituents  $R'_5, R'_6, R'_7, R'_8$  or  $R'_9$  is

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different from H.

3. The dyestuff according to claim 1 or 2 characterized in that  $R_9$  or  $R'_9$  signifies H.

4. The dyestuff according to claim 3 characterized in that they have the formula (I'')



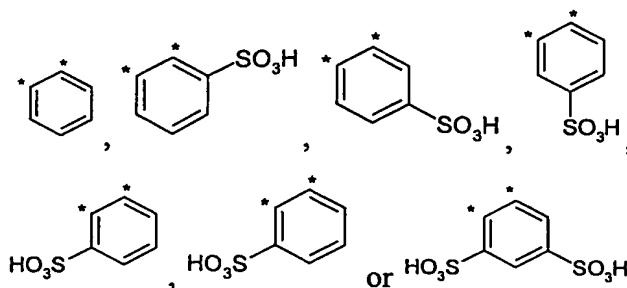
wherein

- 5  $R''_1$ ,  $R''_2$ ,  $R''_3$ ,  $R''_4$ , independently from each other signifies H,  $\text{SO}_3\text{H}$ ,  $\text{SO}_2\text{CH}_2\text{CH}_2\text{-OH}$ ,  $\text{SO}_2\text{NH}_2$ ,  $\text{SO}_2\text{N}(\text{CH}_3)_2$ ,  $\text{COOH}$ ,  $\text{COOCH}_3$ ,  $\text{COOCH}_2\text{CH}_3$ ,  $\text{CH}_3$ ,  $\text{CH}_2\text{CH}_3$ ,  $\text{OCH}_2\text{CH}_2\text{OH}$ ,  $\text{NCOCH}_3$ ,  $\text{N}(\text{CH}_3)_2$  or  $\text{NH}_2$ , or two neighbouring substituents  $R''_1$ ,  $R''_2$ ,  $R''_3$ , or  $R''_4$  form together a six membered ring which is annealed to the benzthiazole moiety and can be unsubstituted or substituted by
- 10  $\text{SO}_3\text{H}$  and wherein at least two of the substituents  $R''_1$ ,  $R''_2$ ,  $R''_3$  or  $R''_4$  signify H;

- $R''_5$ ,  $R''_6$ ,  $R''_7$ ,  $R''_8$ ,  $R''_9$  independently from each other signifies H, methyl, ethyl, aryl, methoxy or ethoxy,  $\text{SO}_3\text{H}$ ,  $\text{SO}_2\text{CH}_2\text{CH}_2\text{-OH}$ ,  $\text{NH}_2$ , or two neighbouring substituents  $R''_5$ ,  $R''_6$ ,  $R''_7$ ,  $R''_8$  or  $R''_9$  form together a six membered ring which is annealed to the phenyl moiety and can be unsubstituted or substituted by  $\text{SO}_3\text{H}$ ;
- 15 and wherein at least one of the  $R''_5$ ,  $R''_6$ ,  $R''_7$  or  $R''_8$  signifies H;

with the proviso that at least one of the substituents  $R''_5$ ,  $R''_6$ ,  $R''_7$ ,  $R''_8$  or  $R''_9$  is different from H.

5. The dyestuff according to claim any of the preceeding claims characterized in that the six membered ring which is annealed to the phenyl has one of the formula



wherein the asterix signify the point of attachment to the phenyl.

6. An ink jet printing ink or an printing paste or an liquid dyeing preparation comprising at least one of the dyes according to the claims 1 or 2 or 3 or 4 or 5.
7. Use of at least one of the dyes according to the claims 1 or 2 or 3 or 4 or 5 for dyeing or printing or ink jet printing organic substrates.
8. Use according to claim 7 charactericed in that the organic substrate is paper or a papery substrate.
9. Organic substrates dyed or printed with at least on of the dyes according to the claims 1 or 2 or 3 or 4 or 5.
10. The dyed or printed substrate according to claim 9 characterized in that the organic substrate is paper or a papery substrate.